

ABSTRACT

In a coating for the inspection of a crack in a structure wherein a coating layer having dispersed therein microcapsules with a visualizing liquid sealed therein is formed on the surface of the structure and when a crack is developed in the structure and propagated to the coating layer, the microcapsules dispersed in the coating layer are ruptured and the visualizing liquid flows out from the ruptured microcapsules and reaches the surface of the coating layer along the crack in the coating layer, thereby making it possible to detect the occurrence of the crack in the structure: at least one second coating layer not containing the microcapsules is formed over the first coating layer with the microcapsules dispersed therein, the second coating layer being transparent and having an outermost layer flexible enough to be prevented from being cracked even upon cracking in the first coating layer.

Selected Drawing: none